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Fig 1a

(Cy-3+Cy-5 signal)

1	3	5	7	9	1	3	5	7	9	1	3	5	7	9	1	3	5	7	9	2	4	6	8	10	2	4	6	8	10	2	4	6	8	10
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----	---	---	---	---	----	---	---	---	---	----

11	13	15	17	19	11	13	15	17	19	11	13	15	17	19	12	14	16	18	20	12	14	16	18	20	12	14	16	18	20
Cy-3 labeled	unlabeled																												

Fig 1b

(Cy-3 signal)

1	3	5	7	9	1	3	5	7	9	1	3	5	7	9	1	3	5	7	9	2	4	6	8	10	2	4	6	8	10	2	4	6	8	10
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----	---	---	---	---	----	---	---	---	---	----

11	13	15	17	19	11	13	15	17	19	11	13	15	17	19	12	14	16	18	20	12	14	16	18	20	12	14	16	18	20
Cy-3 labeled	unlabeled																												

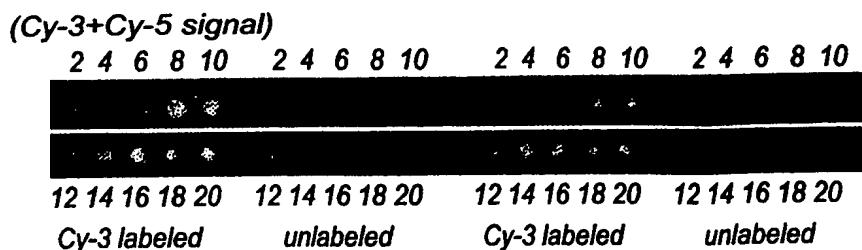
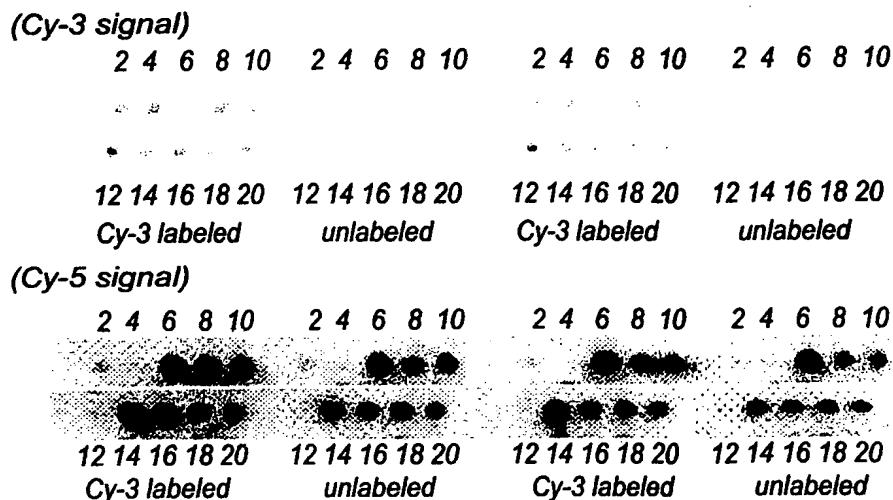
Fig 1c

(Cy-5 signal)

1	3	5	7	9	1	3	5	7	9	1	3	5	7	9	1	3	5	7	9	2	4	6	8	10	2	4	6	8	10	2	4	6	8	10
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----	---	---	---	---	----	---	---	---	---	----

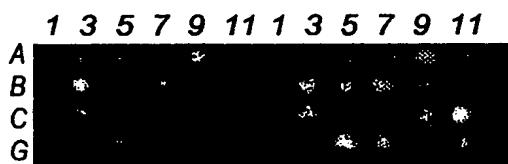
11	13	15	17	19	11	13	15	17	19	11	13	15	17	19	12	14	16	18	20	12	14	16	18	20	12	14	16	18	20
Cy-3 labeled	unlabeled																												

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Fig 2a*Fig 2b**Fig 2c**Fig 5*

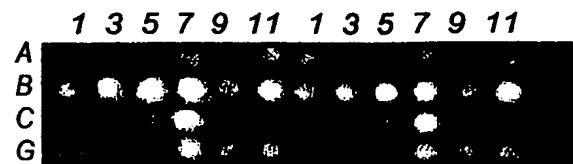
B73 and F2+2/3 AFLP DNA's hybridized to 48 maize partental E33/M50 AFLP fragments

PIN 1



unlabeled Duplo; Cy3 labeled
1x spotted

PIN 2



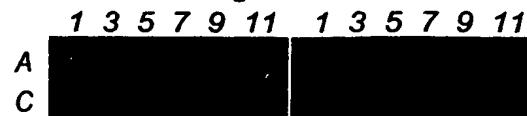
unlabeled Duplo; Cy3 labeled
1x spotted

Fig 6a

Colombia

*Fig 6b*

Landsberg erecta



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Fig 3a

(Cy-3+Cy-5 signal)

1 3 5 7 9 1 3 5 7 9 1 3 5 7 9 1 3 5 7 9 2 4 6 8 10 2 4 6 8 10 2 4 6 8 10

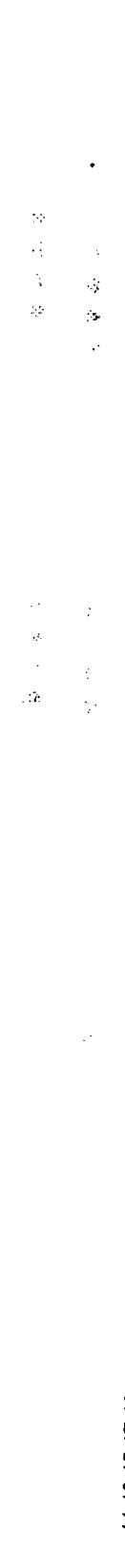


Cy-3 labeled	unlabeled	Cy-3 labeled	unlabeled	Cy-3 labeled	unlabeled
11 13 15 17 19	11 13 15 17 19	11 13 15 17 19	11 13 15 17 19	12 14 16 18 20	12 14 16 18 20

Fig 3b

(Cy-3 signal)

1 3 5 7 9 1 3 5 7 9 1 3 5 7 9 1 3 5 7 9 2 4 6 8 10 2 4 6 8 10 2 4 6 8 10



Cy-3 labeled	unlabeled	Cy-3 labeled	unlabeled	Cy-3 labeled	unlabeled
11 13 15 17 19	11 13 15 17 19	11 13 15 17 19	11 13 15 17 19	12 14 16 18 20	12 14 16 18 20

Fig 3c

(Cy-5 signal)

1 3 5 7 9 1 3 5 7 9 1 3 5 7 9 1 3 5 7 9 2 4 6 8 10 2 4 6 8 10 2 4 6 8 10



Cy-3 labeled	unlabeled	Cy-3 labeled	unlabeled	Cy-3 labeled	unlabeled
11 13 15 17 19	11 13 15 17 19	11 13 15 17 19	11 13 15 17 19	12 14 16 18 20	12 14 16 18 20

Fig 4a (Cy-3+Cy-5 signal)

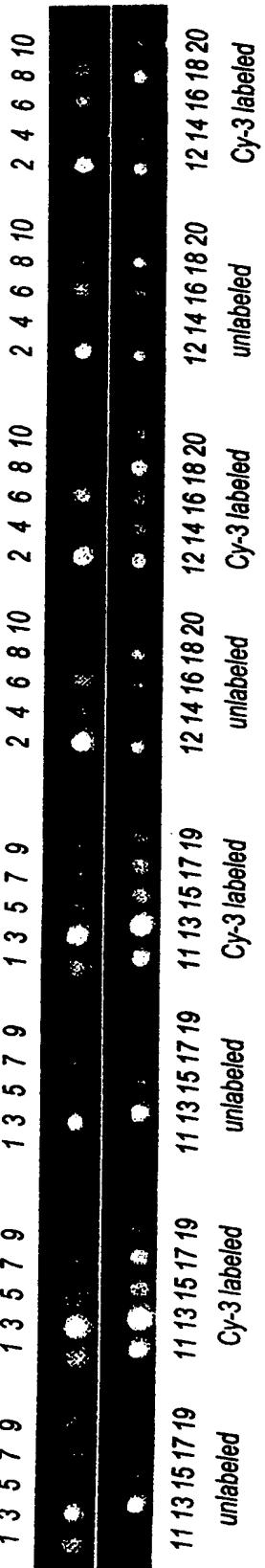
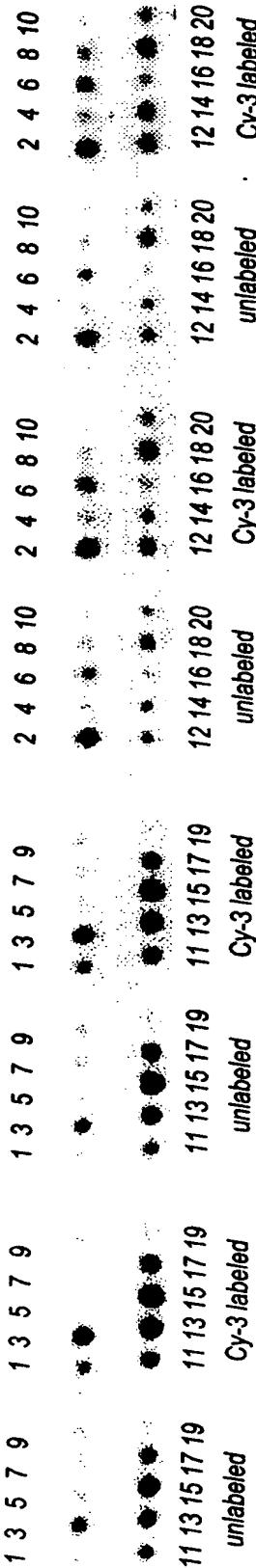


Fig 4b (Cy-3 signal)



Fig 4c (Cy-5 signal)



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Fig 7a

<i>L. Esculentum</i>	Duplo	<i>L. Peruvianum</i>	Duplo	<i>L. Hirsutum</i>	Duplo
1 3 5 7 9 1 1	1 3 5 7 9 1 1	1 3 5 7 9 1 1	1 3 5 7 9 1 1	1 3 5 7 9 1 1	1 3 5 7 9 1 1
B • • ○	• • ○	B •	• • ○	B •	• • ○
D	D	F	D	F	D
F	F	H	F	H	F
H	H		H		H

Fig 7b

<i>L. Esculentum</i>	Duplo	<i>L. Peruvianum</i>	Duplo	<i>L. Hirsutum</i>	Duplo
1 3 5 7 9 1 1	1 3 5 7 9 1 1	1 3 5 7 9 1 1	1 3 5 7 9 1 1	1 3 5 7 9 1 1	1 3 5 7 9 1 1
B • • ○	• • ○	B •	• • ○	B •	• • ○
D	D	F	D	F	D
F	F	H	F	H	F
H	H		H		H

Fig 7c

<i>L. Esculentum</i>	Duplo	<i>L. Peruvianum</i>	Duplo	<i>L. Hirsutum</i>	Duplo
1 3 5 7 9 1 1	1 3 5 7 9 1 1	1 3 5 7 9 1 1	1 3 5 7 9 1 1	1 3 5 7 9 1 1	1 3 5 7 9 1 1
B • • ○	• • ○	B •	• • ○	B •	• • ○
D	D	F	D	F	D
F	F	H	F	H	F
H	H		H		H

Fig 7d

<i>L. Chmielewski</i>	Duplo	<i>L. Pimpinellifolium</i>	Duplo	<i>L. Penelli</i>	Duplo
1 3 5 7 9 1 1	1 3 5 7 9 1 1	1 3 5 7 9 1 1	1 3 5 7 9 1 1	1 3 5 7 9 1 1	1 3 5 7 9 1 1
B • • ○	• • ○	B •	• • ○	B •	• • ○
D	D	F	D	F	D
F	F	H	F	H	F
H	H		H		H

Fig 7e

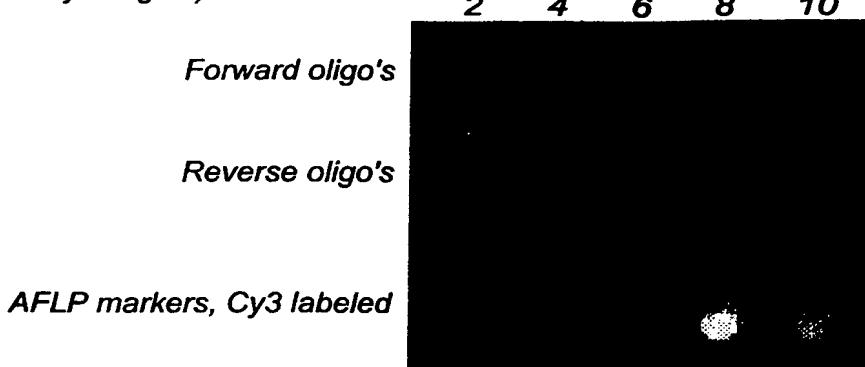
<i>L. Chmielewski</i>	Duplo	<i>L. Pimpinellifolium</i>	Duplo	<i>L. Penelli</i>	Duplo
1 3 5 7 9 1 1	1 3 5 7 9 1 1	1 3 5 7 9 1 1	1 3 5 7 9 1 1	1 3 5 7 9 1 1	1 3 5 7 9 1 1
B • • ○	• • ○	B •	• • ○	B •	• • ○
D	D	F	D	F	D
F	F	H	F	H	F
H	H		H		H

Fig 7f

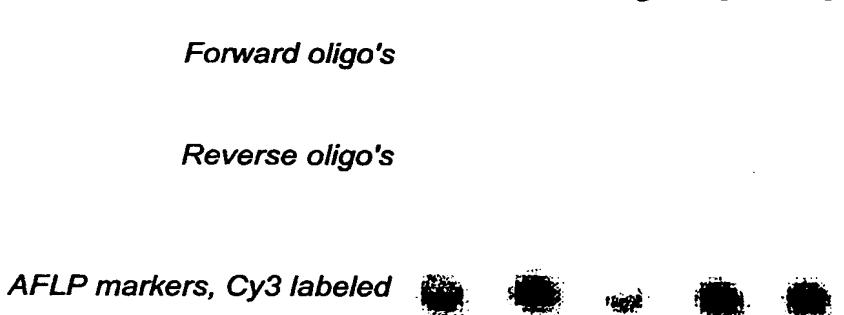
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Fig 8a

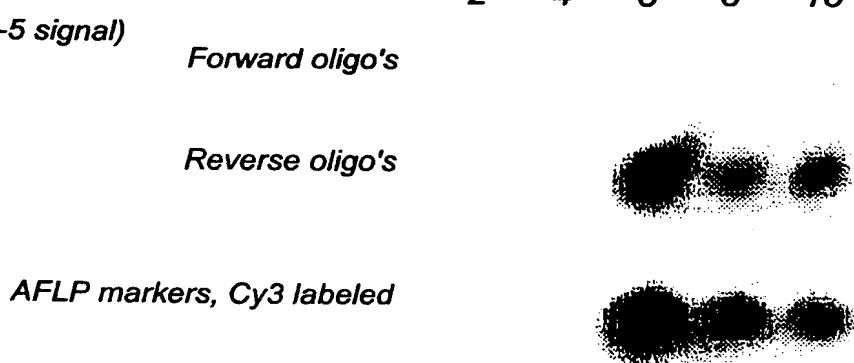
(Cy-3+Cy-5 signal)

*Fig 8b*

(Cy-3 signal)

*Fig 8c*

(Cy-5 signal)



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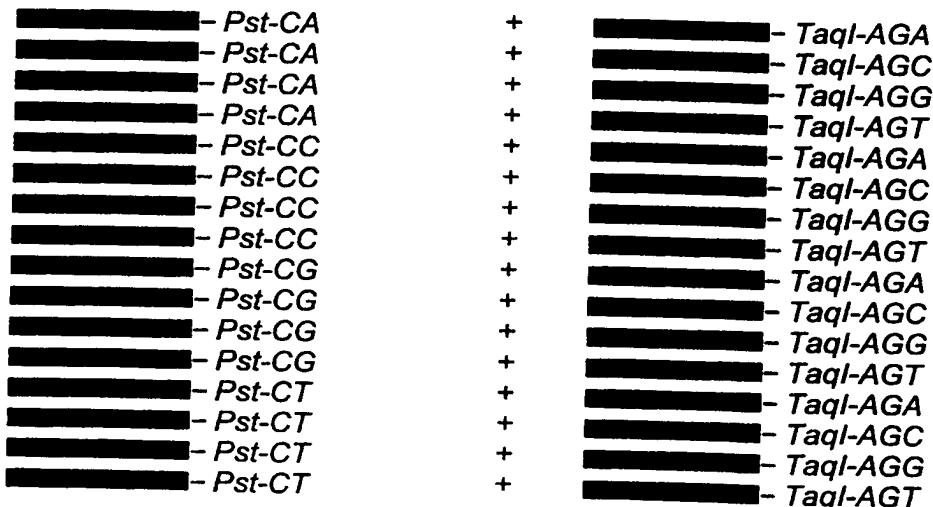
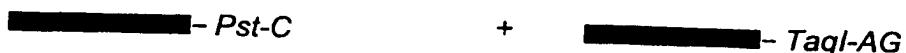
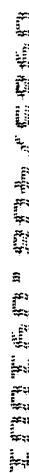
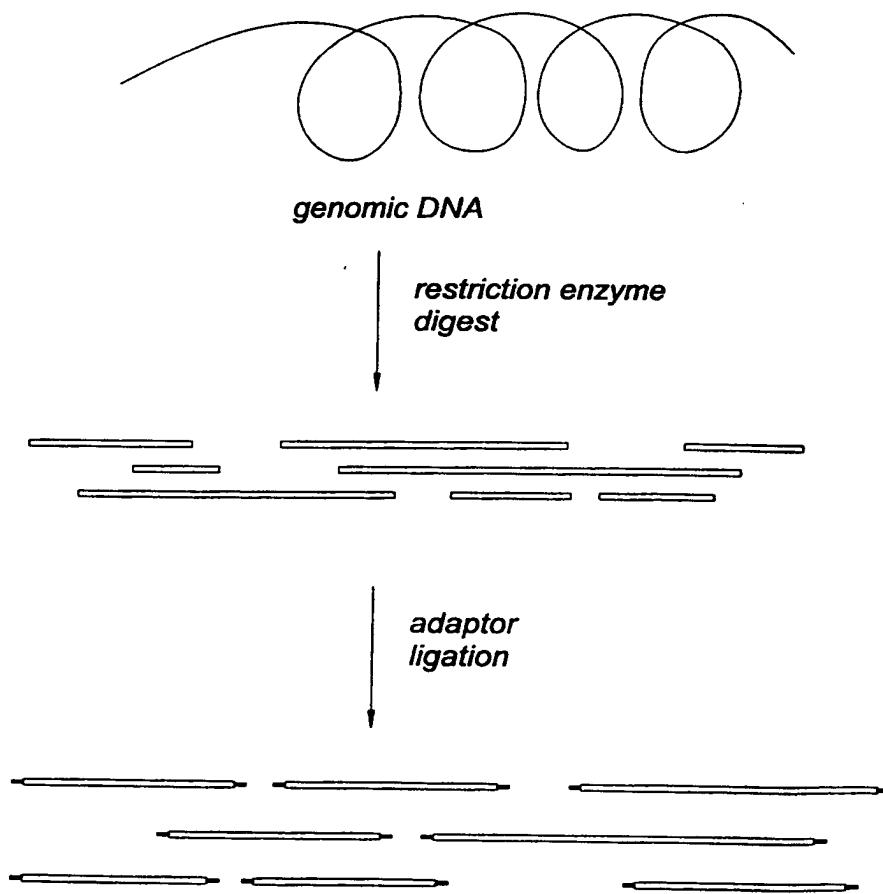
*Fig 9a**4 related APC's of the EC EcoRI-MseI**Fig 9b**Simultaneous amplification with**Fig 9c**16 related APC's of the EC PstI-Taql**Fig 9d**Simultaneous amplification with*

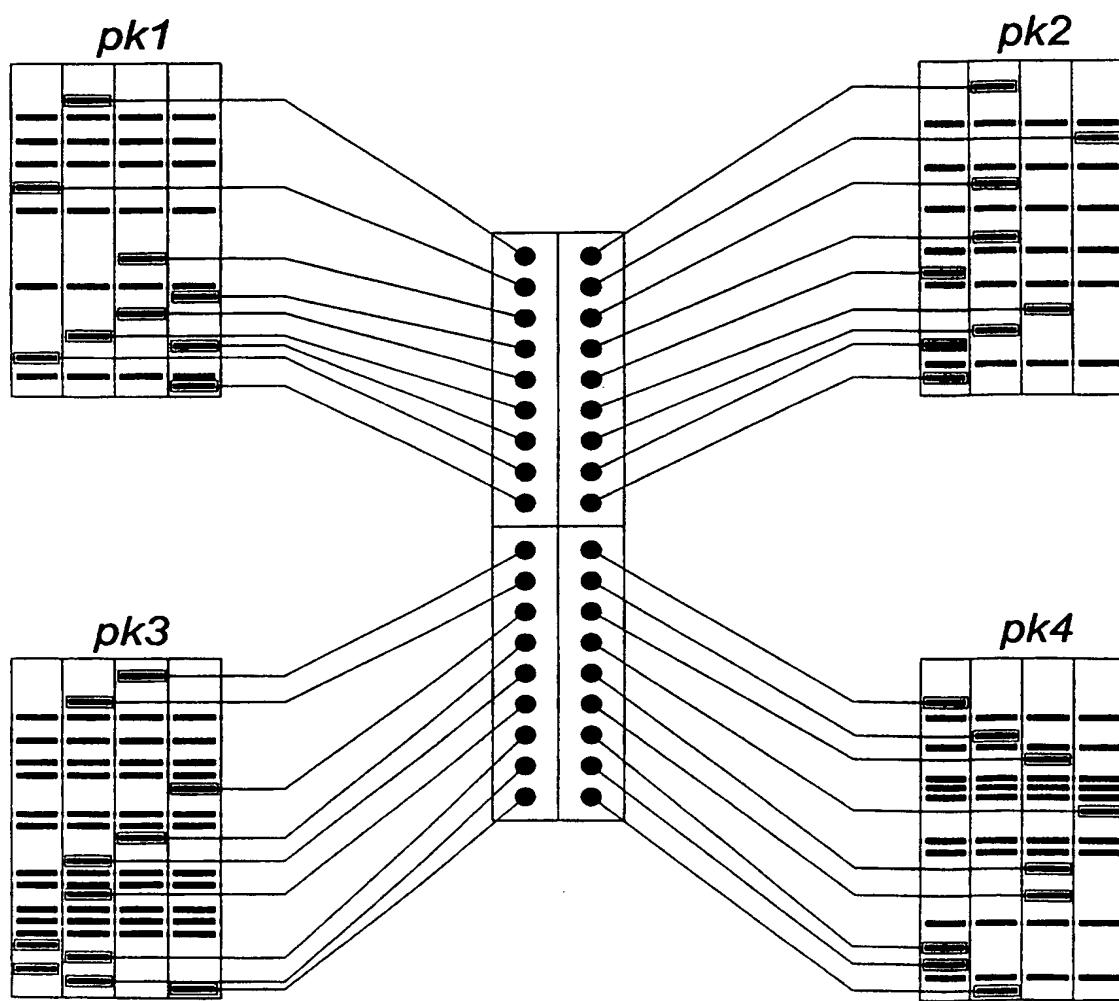
Fig 10



preparation of AFLP template-DNA



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Fig 11

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Fig 12